

### ABSTRACT OF THE DISCLOSURE

In a method for continuous casting bars, billets, and slabs from a melt in dimensional ranges of approximately 20 to 150 mm thickness and approximately 600 to 3500 mm width by means of an oscillating, water-cooled casting mold in cooperation with a submerged-entry nozzle and by employing casting powder for formation of casting slag, local temperatures and local heat flux densities of a casting mold wall in a meniscus area of the melt critical for the surface quality of a slab are measured. The working temperature of the casting mold wall in the meniscus area is maintained by adjusting the operating parameters important for the working temperature within a predetermined temperature range ( $\Delta T$ ).